## AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

## **Listing of Claims**

- 1. (Canceled)
- 2. (Previously Presented) The method according to claim 5, further comprising utilizing the circuit switched call to provide one or more conversational bearers.
- 3. (Previously Presented) The method according to claim 2, further comprising utilizing the packet switched session to provide non-conversational bearers established over said IP based packet switched network.
- 4. (Previously Presented) The method according to claim 5 wherein, at least one of the peer user terminals is a dual mode mobile terminal capable of using both said packet switched and circuit switched access networks.
- 5. (Currently Amended) A method of setting up a session between first and second peer user terminals of a communication system, said session extending at least in part across a circuit switched access network, the method comprising the steps of:

establishing a packet switched session between the peer user terminals via an Internet Protocol, IP, based packet switched access network using a call control protocol which is also used for setting up end-to-end packet switched sessions, wherein the step of establishing a packet switched session includes utilizing the Session Initiation Protocol, SIP, between at least one of the peer user terminals and a SIP server of an IP Multimedia Core Network Subsystem (IMS);

receiving a session initiation request at the SIP server, said session initiation request including a circuit switched telephone number and requesting establishment of at least one circuit switched conversational bearer;

associating the packet switched session with [[a]] the circuit switched telephone number; and

the SIP server notifying a gateway server of the request to establish the circuit switched conversational bearer; and

the gateway server setting up a circuit switched call between the peer user terminals in parallel with the packet switched session.

## 6. (Canceled)

- 7. (Currently Amended) The method according to elaim 6 claim 5, wherein said SIP server and said gateway server are co-located.
- 8. (Currently Amended) The method according to elaim 6 claim 5, wherein the gateway server provides interworking between the circuit switched call and the packet switched session.
- 9. (Previously Presented) The method according to claim 8, wherein following notification from the SIP server, the gateway server notifies said at least one of the peer user terminals of a callback telephone number, and the peer user terminal calls that number to initiate the circuit switched call with the gateway server.
- 10. (Previously Presented) The method according to claim 9, wherein at least one peer user terminal is notified of the callback number via the SIP server.
- 11. (Previously Presented) The method according to claim 10, wherein the gateway server maps the established circuit switched call to the packet switched session based on the used callback number.

- 12. (Previously Presented) The method according to claim 9, wherein the gateway server selects the callback number from a pool of available callback numbers.
- 13. (Previously Presented) The method according to claim 5, further comprising determining by the SIP server that said session requires setting up a circuit switched call as a result of one or more of the following:

properties of the system known to the SIP server:

prior notification by at least one of the peer user terminals;

information contained in the SIP signaling initiating the session;

properties defined for the peer user terminal:

prior notification from a visited network if a peer user terminal is roaming; and prior notification from the packet switched access network used by the peer user terminal.

- 14. (Canceled)
- 15. (Canceled)
- 16. (Currently Amended) A Session Initiation Protocol server for use in an Internet Protocol, IP, Multimedia Core Network Subsystem, the server comprising:

means for receiving an INVITE request from a user terminal, over an IP based packet switched domain, initiating a packet switched session;

means for determining that the packet switched session requires setting up of at least one circuit switched conversational bearer; and

means for causing the at least one <u>circuit switched</u> conversational bearer to be set up in parallel with the packet switched session.

17. (Previously Presented) A gateway server for providing an interface between a circuit switched access network and a packet switched network, the gateway server having an interface towards a Session Initiation Protocol, SIP, server of an

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Internet Protocol, IP, Multimedia Core Network Subsystem, said gateway server comprising:

means for receiving from the SIP server, signaling instructing the setting up of a circuit switched call over the circuit switched access network with a user terminal; and

means for setting up the circuit switched call in parallel with a packet switched session.

- 18. (Canceled)
- 19. (Canceled)
- 20. (Currently Amended) The <u>SIP</u> server of Claim 16, further comprising means for notifying a gateway server upon determining that the at least one <u>circuit switched</u> conversational bearer in the <u>circuit switched domain</u> is required and causing said gateway server to provide a call-back number to said user terminal.
- 21. (Currently Amended) The gateway server of Claim 17, further comprising means for providing said user terminal with a call-back number for said user terminal to call to initiate [[a]] the circuit switched call with said gateway server.